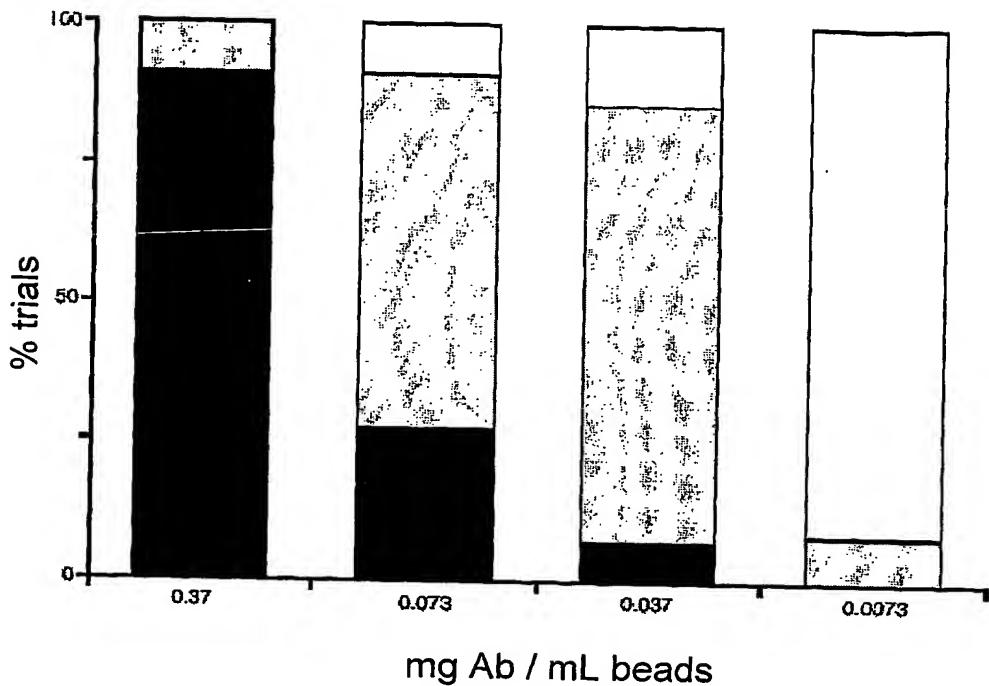
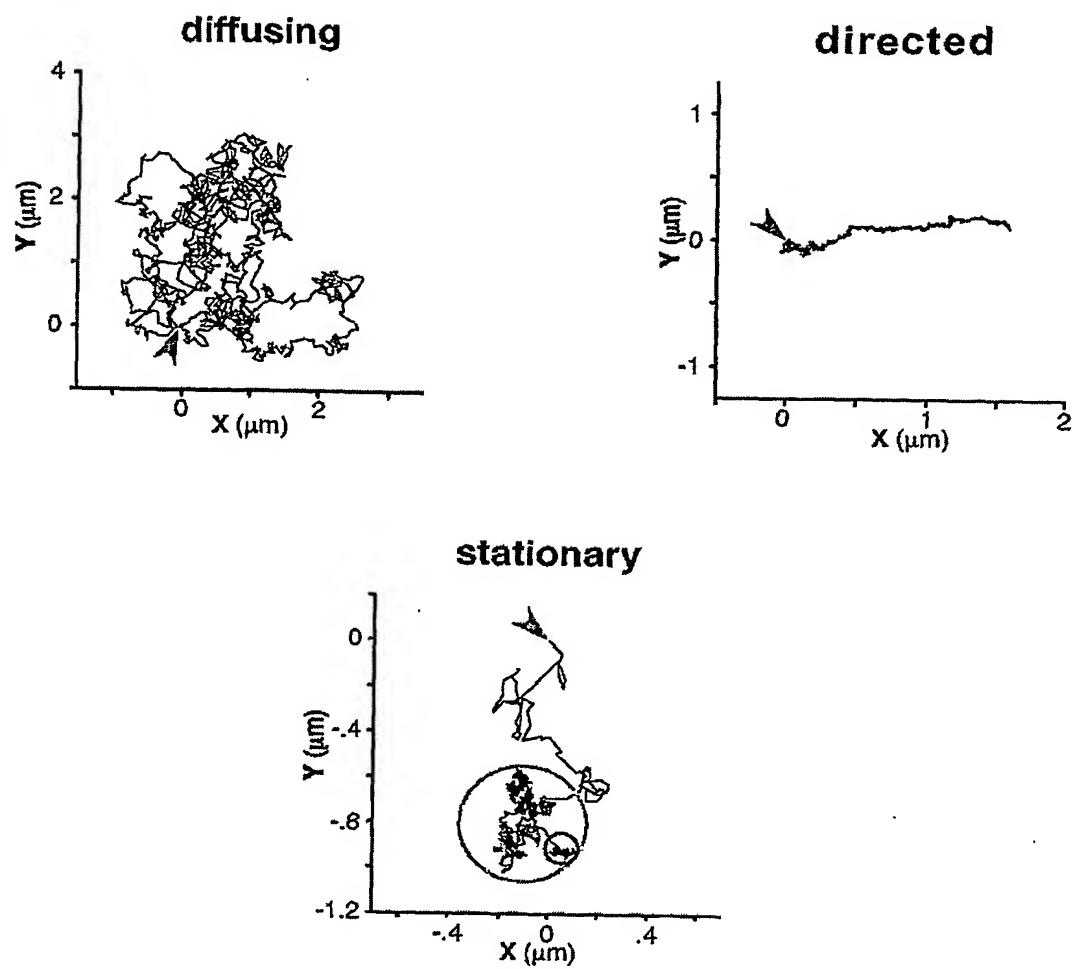
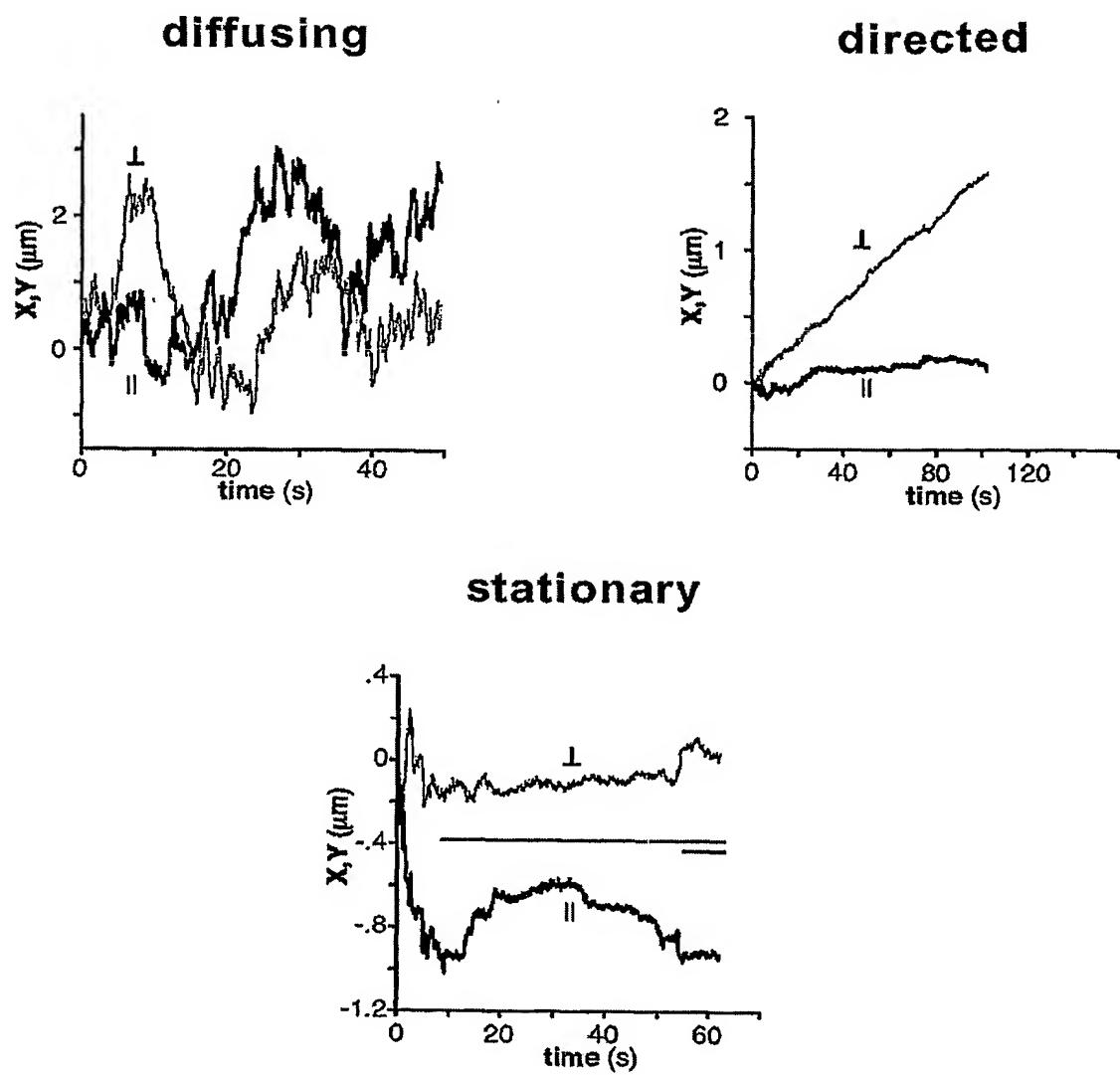
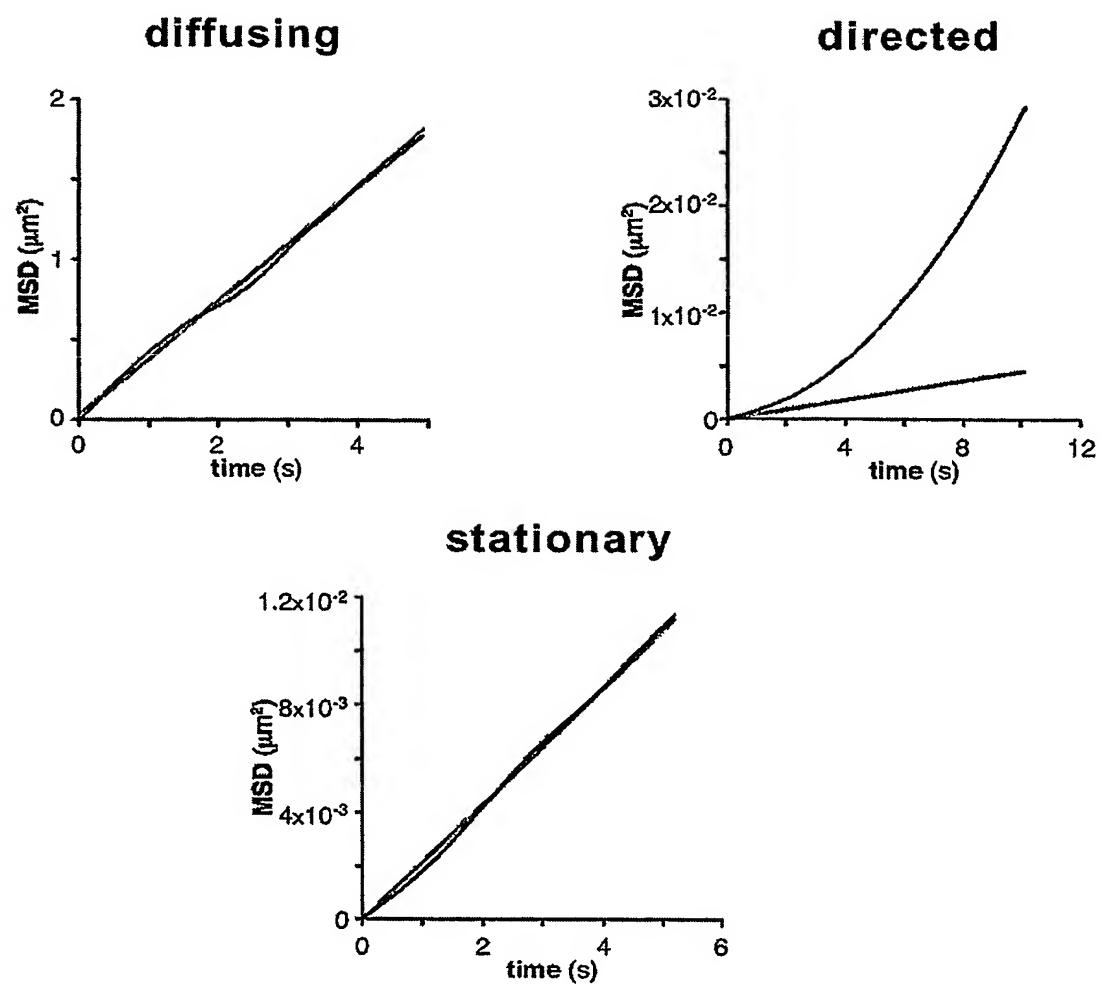


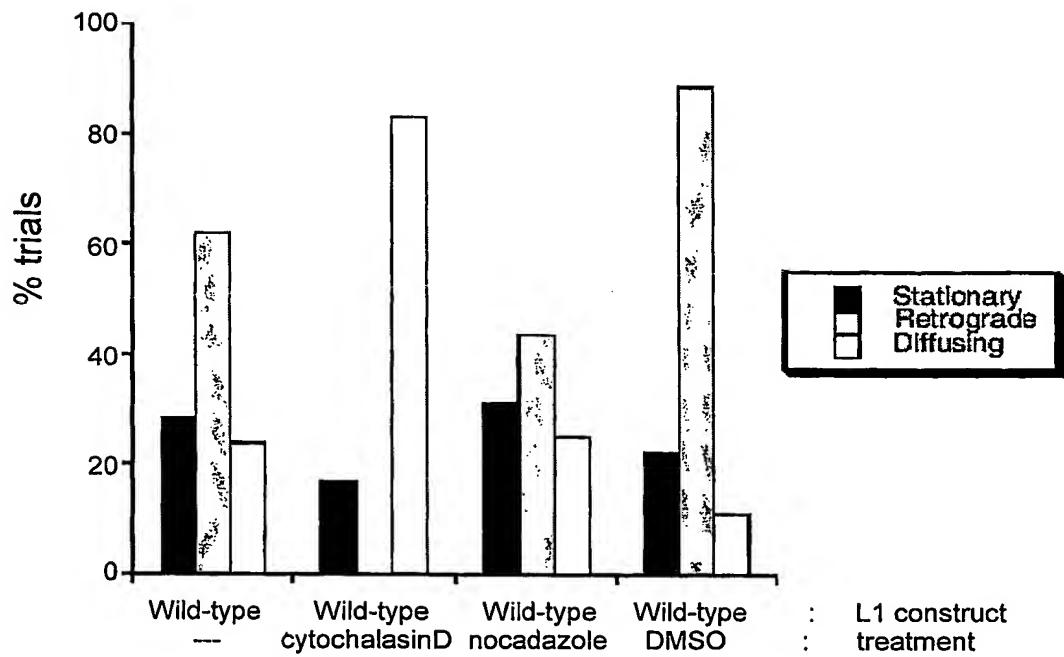
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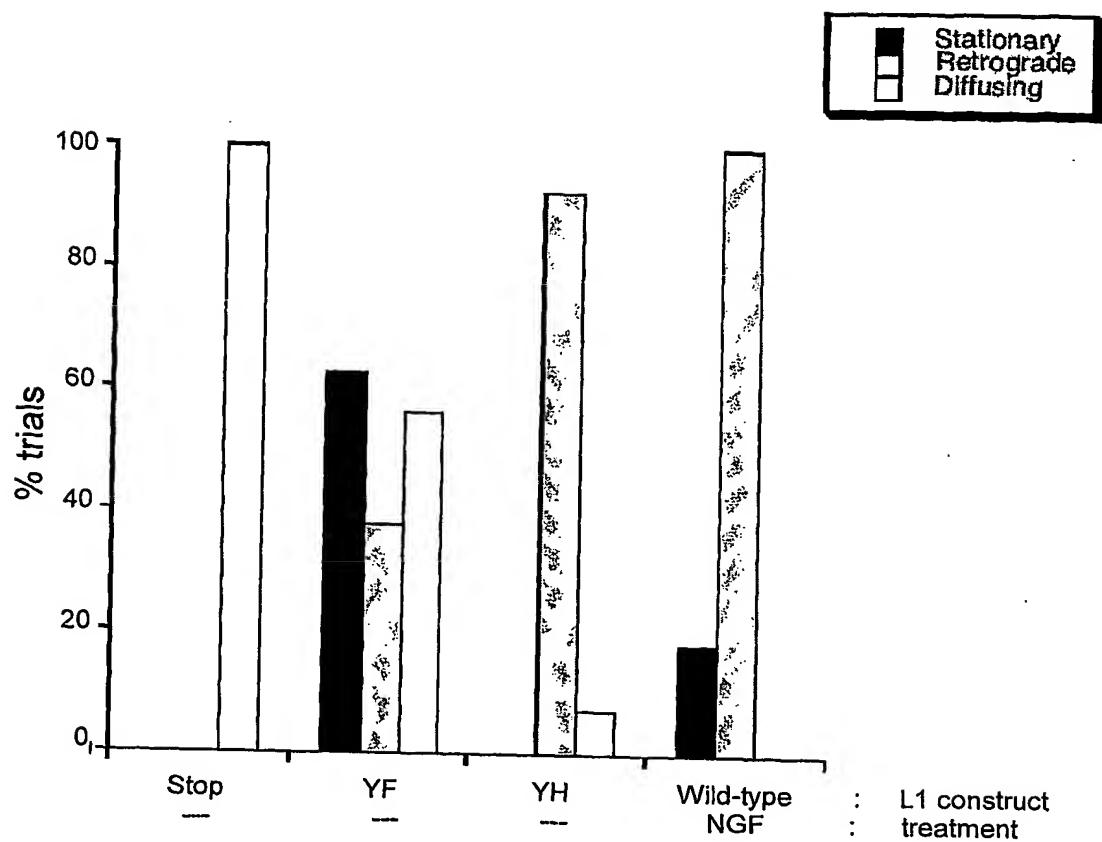
**FIGURE 1**

**FIGURE 2A**

**FIGURE 2B**

**FIGURE 2C**

**FIGURE 3A**

**FIGURE 3B**

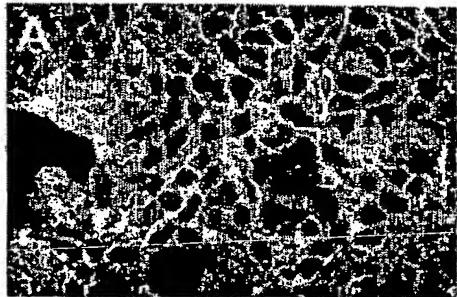


FIGURE 4A



FIGURE 4B

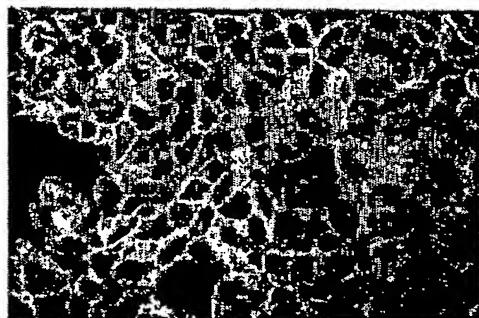


FIGURE 4C

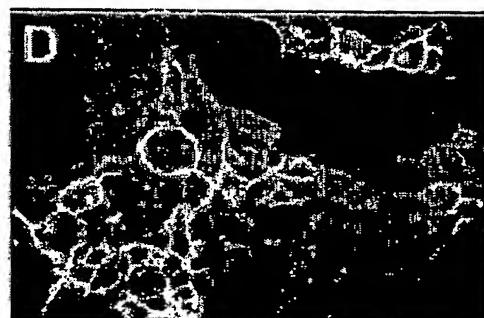
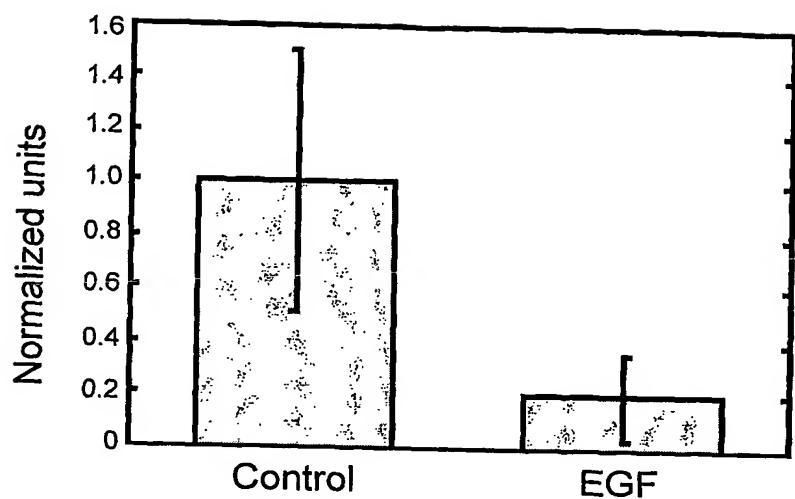
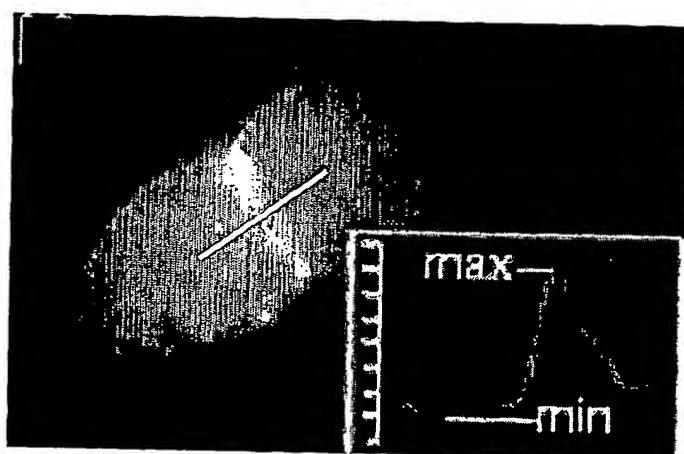
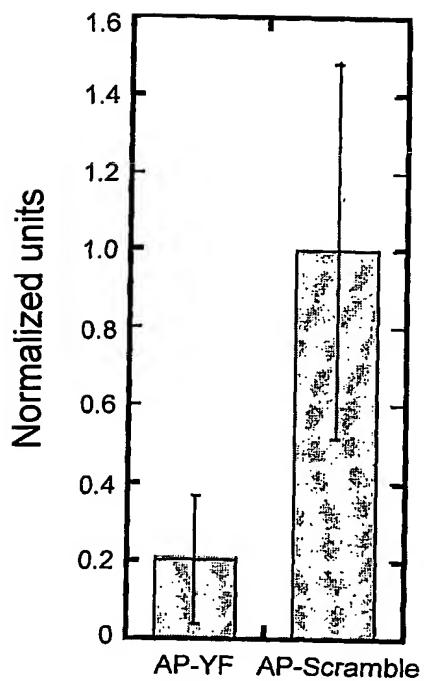
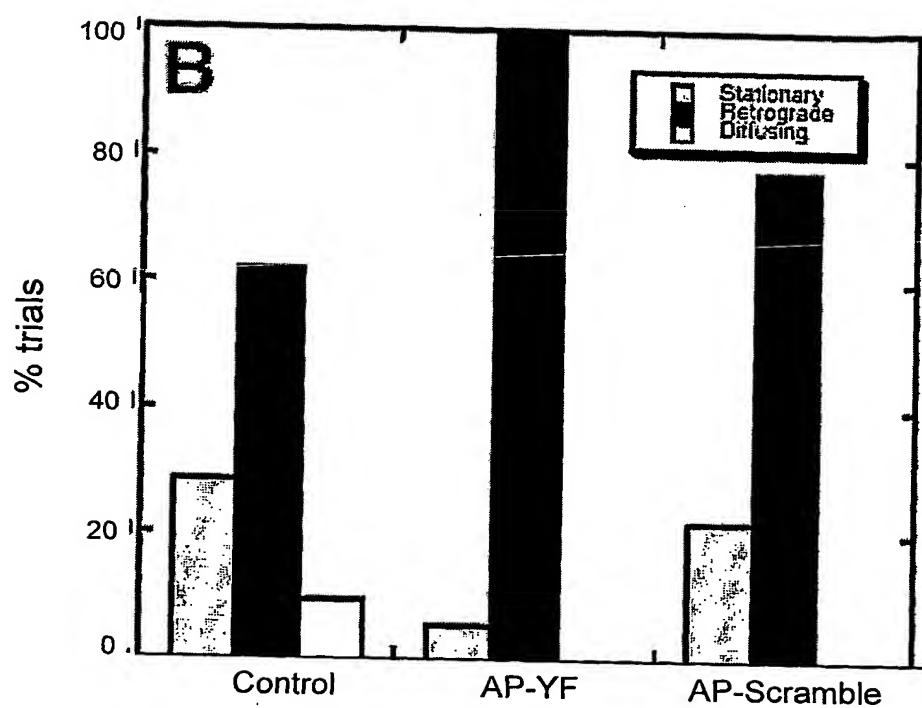
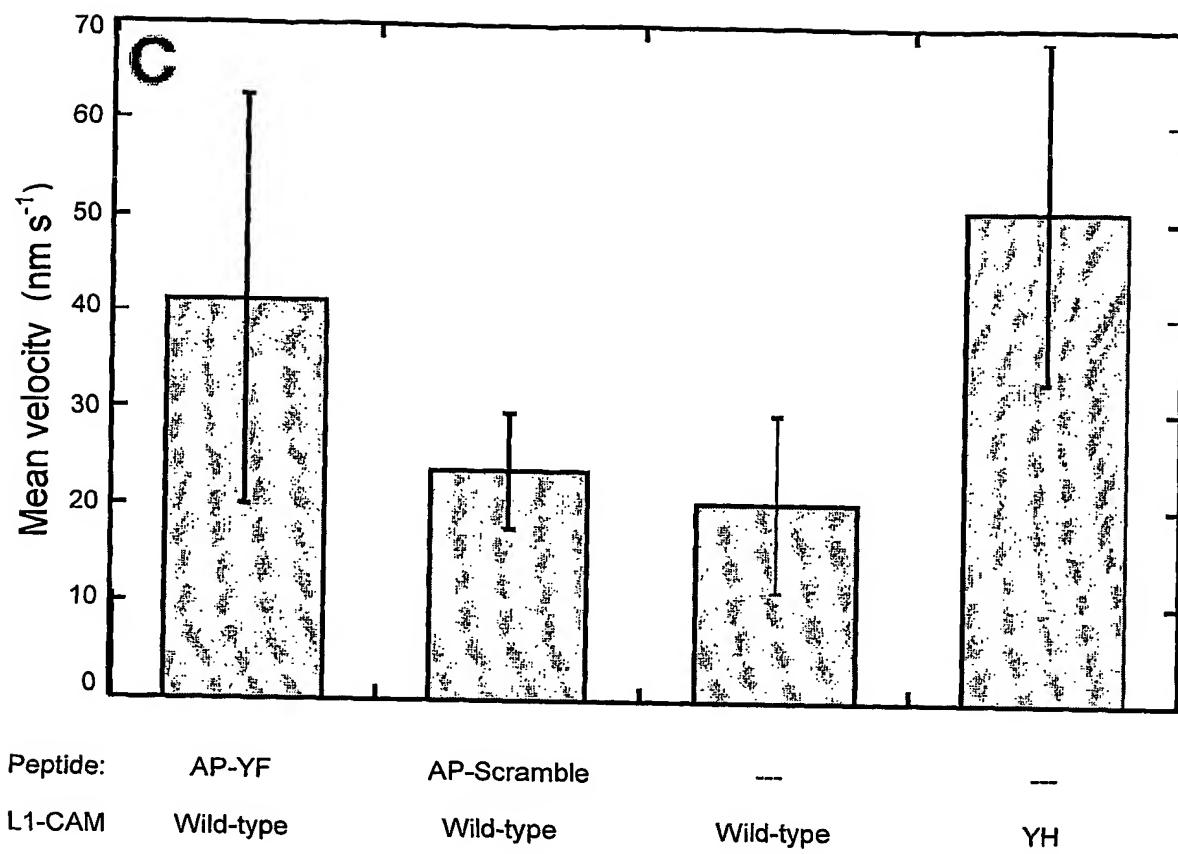


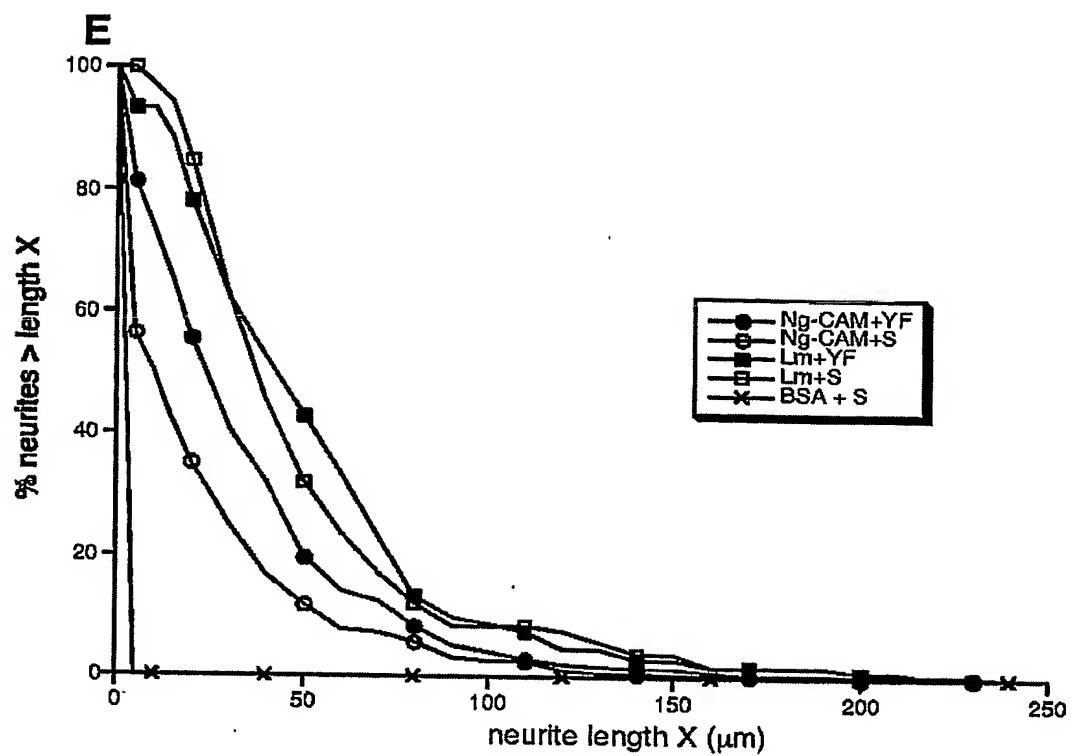
FIGURE 4D

**FIGURE 4E****FIGURE 4F**

**FIGURE 5A**

**FIGURE 5B**

**FIGURE 5C**

**FIGURE 6**

1 GCTAGCTATG GTCGTGATGC TGCAGGTACGT GTGGCCTCTC CTCCTCTGCA GCCCCTGCCT
 61 GCTCATACAG ATTCCGTGATG AATATAAAGG ACACCATGTA CTAGAGCCAC CTGTCATCAC
 121 GGAACAGTCT CCACGGCGCC TGGTTGTCTT CCCAACAGAT GACATAAGCC TCAAATGTGA
 181 AGCCAGAGGC AGACCCCAAG TGGAGTTCCG CTGGACGAAA GATGGCATCC ACTTCAAACC
 241 TAAGGAAGAA TTGGGTGTAG TGGTACACGA GGCACCCCTAT TCTGGCTCCT TCACCATCGA
 301 AGGCAACAAC AGCTTGCCTC AGAGGTTCA GGGCATCTAT CGCTGCTATG CCAGCAATAA
 361 TCTAGGAACT GCCATGTCGC ATGAGATCCA GCTCGTGGCT GAGGGTGCCTC CCAAATGGCC
 421 GAAGGAGACT GTAAAACCCG TGGAAGTGGA GGAAGGAGAA TCAGTAGTTC TACCTGCAA
 481 TCCTCCACCC AGTCAGCCC CACTTAGGAT CTACTGGAT AACAGCAAGA TTTTGACAT
 541 CAAACAAGAT GAGCGGGTGT CCATGGGCCA GAATGGAGAC CTATATTTCG CCAATGTGCT
 601 TACCTCAGAC AATCATTCACTG ACTACATCTG CAATGCCAC TTCCCTGGCA CCCGGACCAT
 661 CATTCAAAAG GAACCTATTG ACCTCCGGGT CAAGCCCACC AACAGCATGA TTGACCGGAA
 721 GCCACGCCTG CTCTTCCCCA CAAACTCCAG CAGTCACCTC GTGGCCTTGC AGGGCCAGTC
 781 ATTAATCCTG GAGTGCATTG CTGAGGGATT CCCTACACCC ACCATCAAGT GGCTGCACCC
 841 CAGTGACCT ATGCCAACAG ACCGTGTTAT CTACCAAGAAC CATAACAAGA CACTGCAGCT
 901 CCTCAATGTG GGCGAGGAAG ATGATGGCGA GTATACCTGC CTTGCTGAGA ACTCACTGGG
 961 CAGTGTCTGG CATGCCTACT ATGTCACTGT GGAAGCTGCC CCATACTGGC TGCAGAAGCC
 1021 CCAGAGTCAT TTGTATGGC CAGGAGAGAC TGCCCGCCTA GACTGCCAG TCCAGGGCAG
 1081 GCCCCAACCA GAGGTCACTT GGAGAATCAA CGGAATGTCT ATAGAGAAGG TGAACAAGGA
 1141 CCAGAAAGTAC CGGATTGAGC AGGGGTCTT GATCCTGAGT AATGTGCAAC CAAGTGACAC
 1201 AATGGTGACC CAGTGTGAAG CTCGCAACCA GCATGGGCTC CTACTAGCCA ATGCCATATAT
 1261 CTATGTTGTC CAGCTGCCAG CCAGGATCCT ACAAAAAGAC AATCAGACAT ACATGGCAGT
 1321 AGAGGGCAGT ACTGCTACT TGCTGTGCAA AGCCTTTGGA GCTCCTGTT CCAAGTGTCCA
 1381 GTGGCTGGAT GAGGAAGGAA CCACAGTGCT TCAGGATGAA AGATTTTCC CCTATGCCAA
 1441 TGGAACGCTG GGCATCAGAG ATCTCCAGGC CAATGACACT GGACGCTATT TCTGCCAGGC
 1501 TGCCAATGAC CAGAACATG TGACCATTG GGCTAACCTA CAGGTTAAAG AAGCAACCCA
 1561 GATCACACAA GGACCCCGGA GCACAATTGA GAAGAAAGGT GCAAGGGTGA CATTACAGTG
 1621 CCAGGCCTCC TTTGACCCCT CTTTACAAGC CAGCATCACT TGGCGTGGAG ATGGGAGAGA
 1681 CCTCCAGGAA CGTGGAGACA GTGACAAGTA TTTCATAGAA GATGGGCAAC TTGTCATCCA
 1741 GAGCCTGGAC TACAGTGACC AGGGCAACTA CAGTTGTGTC GCCAGCACTG AACTGGATGA
 1801 GGTGGAGAGC AGGGCACAAAC TCTTAGTGGT GGGAAAGCCCT GGGCCAGTGC CTCACCTGGA
 1861 GCTGTCCGAC CGCCACTTGC TGAAGCAGAG CCAGGTGCAC TTGCTTGGAA GCCCTGCTGA
 1921 AGACCACAAAC TCTCCCATG AGAAATATGA CATTGAATTG GAGGACAAGG AAATGGCTCC
 1981 TGAGAAATGG TTCACTCTAG GCAAGGTGCC AGGAAATCAG ACCTCTACTA CCCTCAAGCT
 2041 GTCCCCCTAT GTCCACTATA CCTTTCGGGT CACTGCCATT AACAAATATG GTCCCAGGAGA
 2101 ACCCAGCCCT GTCTCTGAGA CTGTAGTCAC ACCTGAGGCA GCCCCAGAGA AGAACCTGT
 2161 GGATGTGAGA GGGGAAGGAA ATGAGACCAA CAATATGGTC ATCACATGGA AGCCCCTTCG
 2221 GTGGATGGAT TGGAAATGCC CCCAGATTCA GTACCGTGT CAGTGGCGAC CACTGGCAA
 2281 ACAAGAGACC TGGAAAGGAAC AGACCAGTGAG CGACCCCTTC CTGGTGGTGT CTAACACTTC
 2341 CACATTGAGA CCTTATGAGA TCAAAGTCCA GGCAGTGAAC AACCAAGGGAA AGGGCCCTGA
 2401 GCCCCAGGTC ACCATTGGCT ATTCAAGGGGA AGACTACCCC CAGGTGAGCC CTGAGCTTGA
 2461 AGACATCACA ATCTTCAACT CAAGCACTGT GCTGGTCAGG TGGAGGCCTG TGGACTTGGC
 2521 CCAGGTTAAG GGCCACCTCA GGGGATACAA TGTAACGTAC TGGTGAAGG GCAGTCAGAG
 2581 AAAGCACAGC AAGAGGGCATG TCCACAAAAG TCACATGGTG GTACCTGCAG ACACCACCAAG
 2641 TGCCATCCTC AGTGGTTTGC GTCCCTTACAG CTCTTATCAT GTGGAGGTAC AGGCCTTAA
 2701 TGGGCGGGGC TTAGGGCTG CAAGTGAATG GACCTTCAGC ACCCCAGAGG GAGTGCCTGG

FIGURE 7A

2761 CCACCCTGAG GCATTACATC TGGAGTGCCA GTCGGACACT AGCCTGCTAC TGCACGGCA
2821 GCCACCACTC AGCCACAATG GAGTGCTCAC TGGCTACCTG CTCTCTTACC ATCCCTTGGG
2881 TGGGGAAAGC AAAGAGGAGT TGTTCTTCAA CCTTTGGAC CCAGAGCTCC GGACTCATAA
2941 TCTCACCAAC CTCAACCCCTG ATCTACAGTA CCGCTTCCAG CTTCAGGCCA CCACCCAAACA
3001 GGGTCCTGGT GAGGCCATTG TGCAGTGAGG AGGCACTATG GCCCTATTG GCAAGCCAGA
3061 TTTTGGCAAC ATTTCAAGTCA CAGCAGGTGA AAACATACAGT GTGGTCTCCT GGGTCCCTCG
3121 GGAGGGCCAG TGCAATTTCAG GGTTCCACAT CCTGTTCAAA GCCTTGCCAG AAGGGAAAGT
3181 GAGCCCTGAT CACCAGCCTC AGCCTCAATA TGTGAGCTAC AATCAGAGCT CCTACACACA
3241 GTGGGACCTA CAGCCTGACA CCAAATATGA GATCCACCTG ATGAGGGAGA AGGTCCCTT
3301 GCACCATCTG GCTGTGAAGA CTAATGGCAC TGGCCCCGTG CGAGTGTGCA CTACCGGTAG
3361 CTTTGCCCTC GAGGGCTGGT TCATCGCCTT TGTCAGTGCT ATCATTCTCT TGCTCCAT
3421 CCTGCTCATC CTCTGCTTCA TCAAACGCAG CAAGGGCGGC AAATATTGAG TGAAGGACAA
3481 GGAGGACACT CAGGTAGATT CCGAGGCCCG GCCCATGAAA GACGAGACCT TCGGCGAGTA
3541 CAGGTCCCTG GAGAGTGACA ATGAAGAGAA GGCTTCGGC AGCAGCCAGC CATCTCTCAA
3601 TGGAGACATC AAACCCCTAG GCAGTGATGA CAGTCTGGCT GATTATGGGG GCAGTGTGGA
3661 TGTCCAGTTC AATGAGGATG GCTCTTCAT CGGCCAATAC AGTGGCAAAA AAGAGAAGGA
3721 GGCAGCGGGGA GGCAATGACA GCTCAGGGGC TACCTCTCCT ATCAATCCTG CAGTAGCCCT
3781 AGAATAGCAA GCTCGAG

FIGURE 7B

1 MVVMLRYVWP LLLCSPCLLI QIPDEYKGHH VLEPPVITEQ SPRRLVVFPT
51 DDISLKCEAR GRPQVEFRWT KDGIFKPKE ELGVVVHEAP YSGSFTIEGN
101 NSFAQRFQGI YRCYASNNLG TAMSHEIQLV AEGAPKWPKE TVKPVEVEEG
151 ESVVLPCNPP PSAAPLRIYW MNSKILHIKQ DERVSMGQNG DLYFANVLTS
201 DNHSDYICNA HFPGTRTIIQ KEPIDLRLVKP TNSMIDRKPR LLFPTNSSSH
251 LVALQGQSLI LECIAEGFPT PTIKWLHPSD PMPTDRVYQ NHNKTQLLN
301 VGEEDDGEYT CLAENSLGSA RHAYYVTVEA APYWLQKPQS HLYGPGETAR
351 LDCQVQGRPQ PEVTWRINGM SIEKVNKDQK YRIEQGSLIL SNVQPSDTMV
401 TQCEARNQHG LLLANAYIYV VQLPARILTK DNQTYMAVEG STAYLLCKAF
451 GAPVPSVQWL DEEGTTVLQD ERFFPYANGT LGIRDLQAND TGRYFCQAAN
501 DQNNVTILAN LQVKEATQIT QGPRSTIEKK GARVTFTCQA SFDPQLQASI
551 TWRGDGRDLQ ERGDSDKYFI EDGQLVIQSL DYSDQGNYSC VASTELDEVE
601 SRAQLLVVGS PGPVPHLELS DRHLLKQSQV HLSWSPAEDH NSPIEKYDIE
651 FEDKEMAPEK WFLSGKVPGN QTSTTLKLSP YVHYTFRVTA INKYGPGEPS
701 PVSETVVTPE AAPEKNPVDV RGEENETNNM VITWKPLRWM DWNAPQIQYR
751 VQWRPLGKQE TWKEQTVSDP FLVVSNTSTF VPYEIKVQAV NNQGKGPEPQ
801 VTIGYSGEDY PQVSPELEDI TIFNSSTVLV RWRPVDLAQV KGHLRGYNVT
851 YWWKGSQRKH SKRHVHKSHM VVPANTTSAI LSGLRPYSSY HVEVQAFNGR
901 GLGPASEWTF STPEGVPGHP EALHLECQSD TSLLLHWQPP LSHNGVLTGY
951 LLSYHPLDGE SKEQLFFNLS DPELRTHNLT NLNPDLQYRF QLQATTQQGP

FIGURE 8A

1001 GEAIVREGGT MALFGKPDFG NISVTAGENY SVVSWVPREG QCNFRFHILF
1051 KALPEGKVSP DHQPQPQYVS YNQSSYTQWD LQPDTKYEIH LMREKVLLHH
1101 LAVKTNGTGP VRVSTTGSFA SEGWFIAFVS AIILLLILL ILCFIKRSKG
1151 GKYSVKDKED TQVDSEARPM KDETGF~~GEYRS~~ LESDNEEKAF GSSQPSLNGD
1201 IKPLGSDDSL ADYGGSVDVQ FNEDGSFIGQ YSGKKEKEAA GGNDSSGATS
1251 PINPAVALE

FIGURE 8B

Figure 9

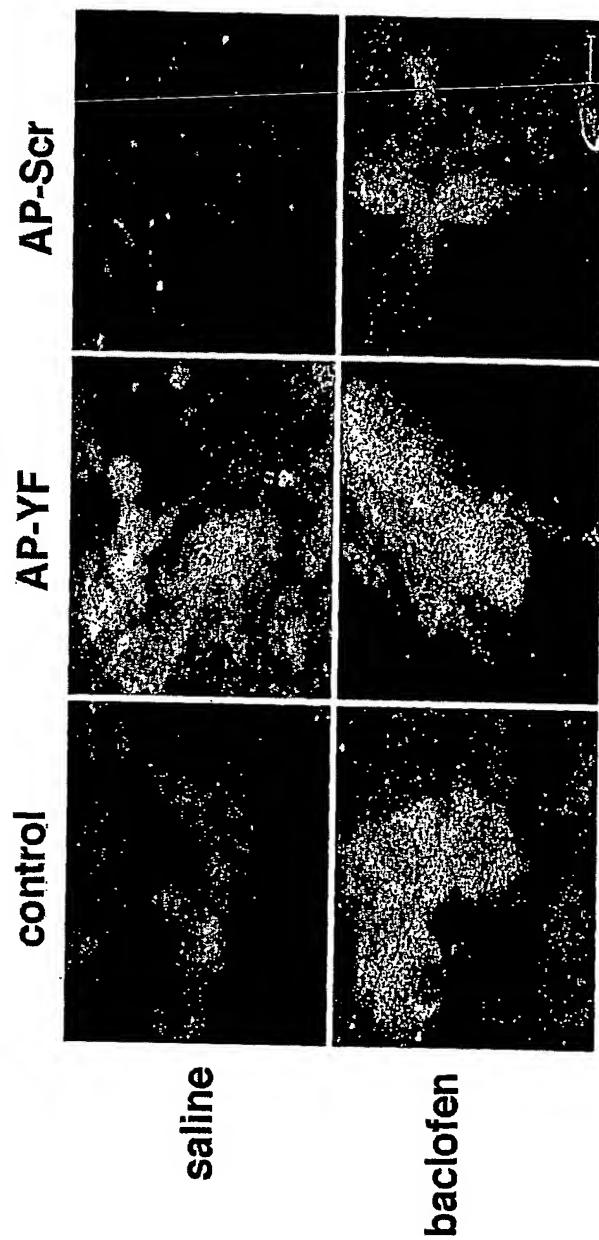


Figure 10

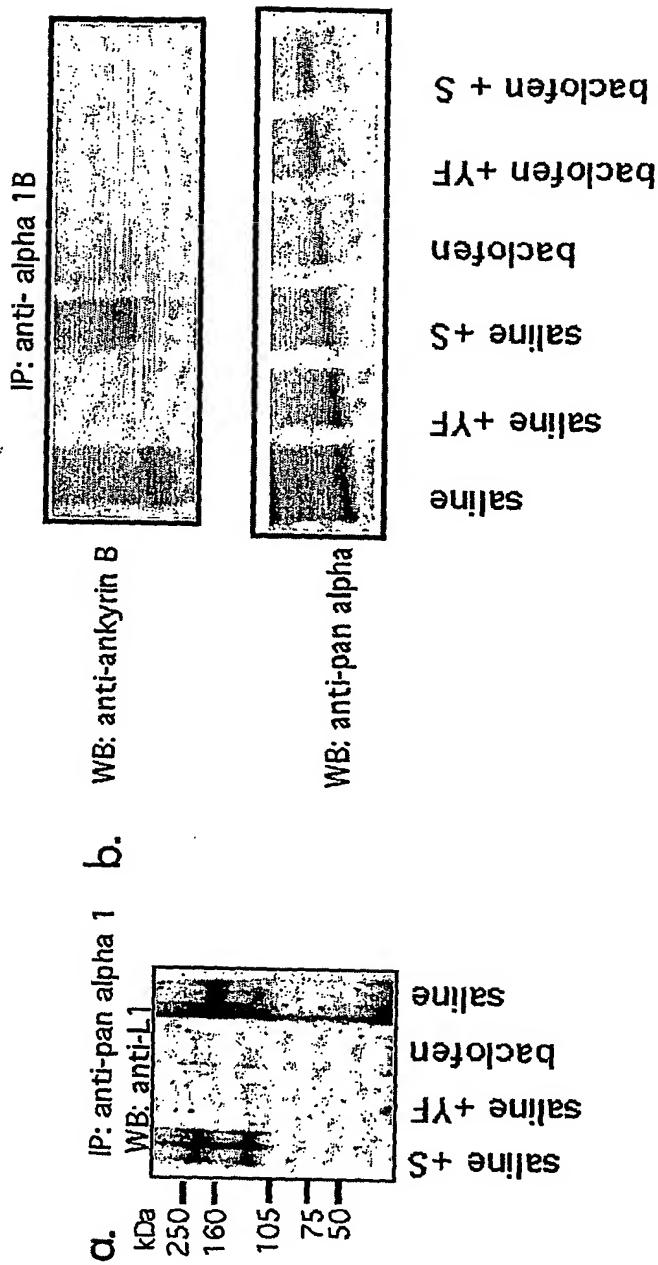


Figure 1

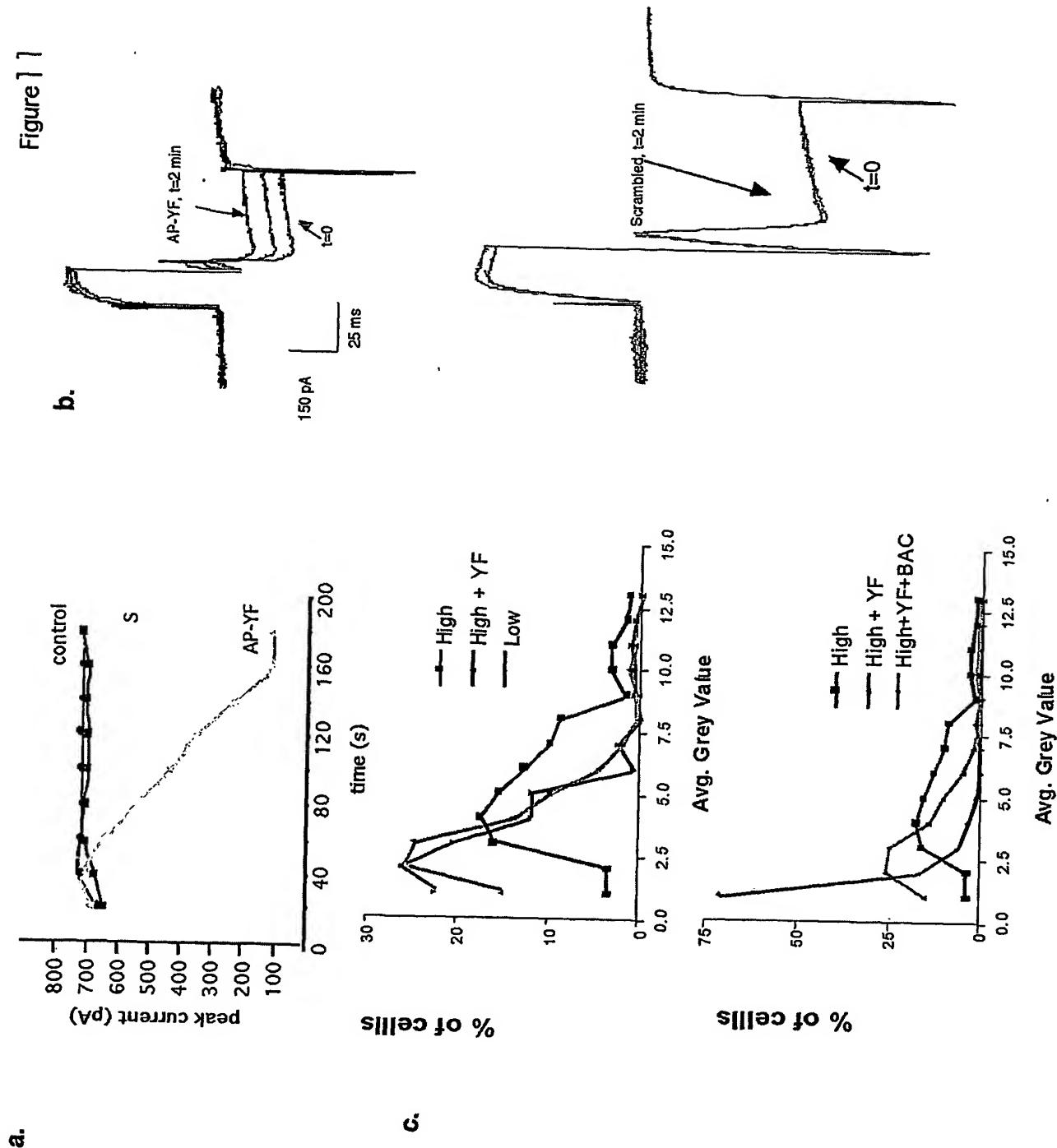
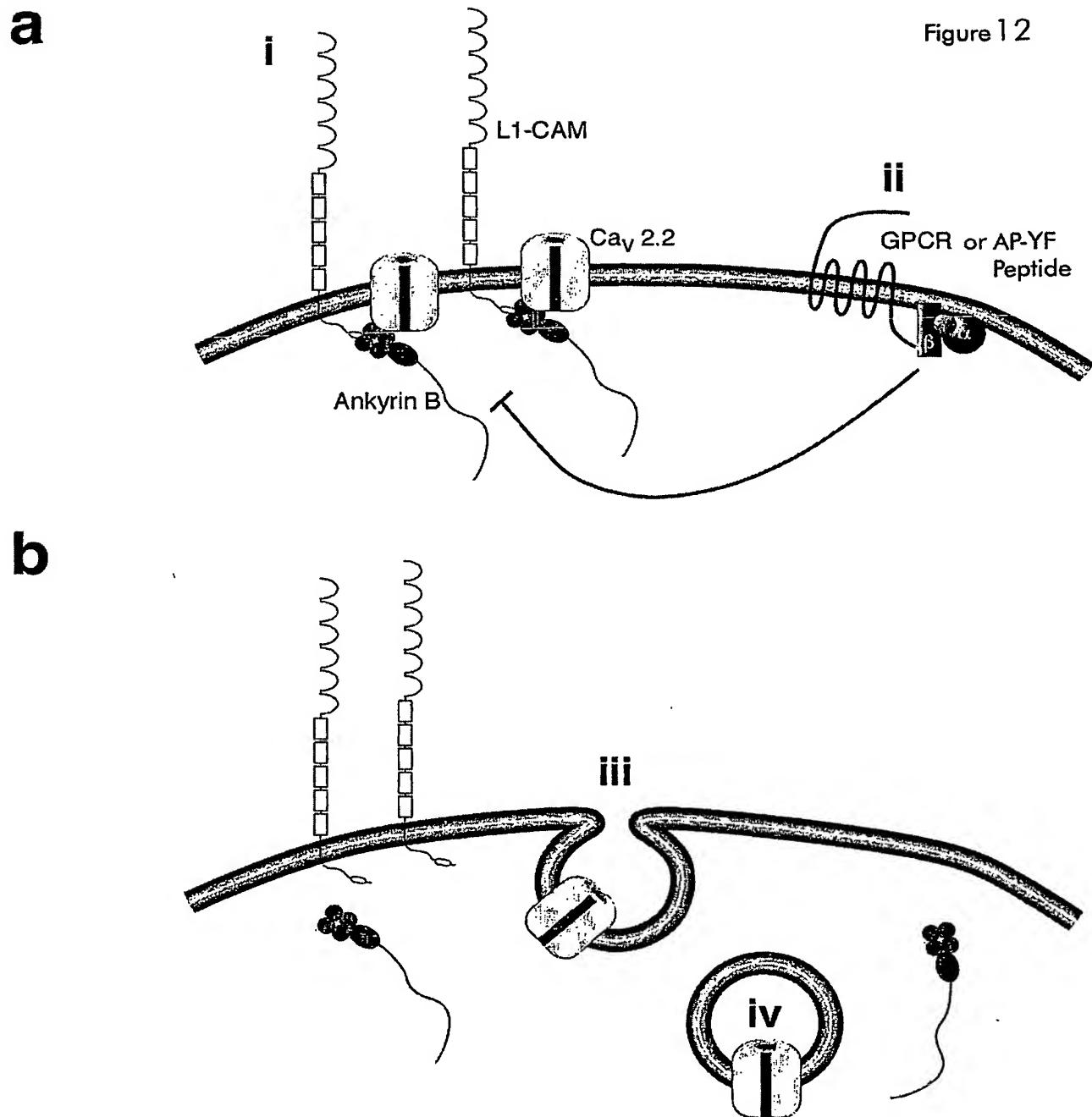


Figure 12



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